

WHAT IS CLAIMED IS:

1. A method of producing an electroluminescence apparatus, comprising:
forming a plurality of light-emitting layers that emit light with different colors;
forming an electron injection layer containing an organic metal compound,
such that the electron injection layer is in contact with at least one of the plurality of the light-emitting layers; and
forming a layer capable of reducing a metal in the organic metal compound,
such that the layer is in contact with the electron injection layer.
2. The method of producing an electroluminescence apparatus according to claim 1, the layer capable of reducing the metal of the organic metal compound being a cathode.
3. The method of producing an electroluminescence apparatus according to claim 1, the layer capable of reducing the metal of the organic metal compound containing at least a metal selected from a group consisting of Mg, Ca, and Al.
4. The method of producing an electroluminescence apparatus according to claim 1, the electron injection layer being formed by using a liquid material as a solvent containing any one of an alcohol, a ketone, an ether, an ester, and an amide.
5. The method of producing an electroluminescence apparatus according to claim 1, each of the plurality of the light-emitting layers having compartments, and the electron injection layer being formed by injecting a liquid material into the compartments.
6. The method of producing an electroluminescence apparatus according to claim 1, the organic metal compound containing at least one metal element selected from group 1A of the periodic table, group 2A of the periodic table, and a rare earth element.
7. The method of producing an electroluminescence apparatus according to claim 6, the metal element being selected from Li, Na, K, Rb, Cs, Mg, Ca, Sr, Ba, La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu.
8. A method of producing an electroluminescence apparatus according to claim 1, the step of forming the plurality of light-emitting layers further comprising the steps of forming a light-emitting layer that emits red light, forming a light-emitting layer that emits green light, and forming a light-emitting layer that emits blue light, and the electron injection layer containing the organic metal compound being formed such that the electron injection layer is in contact with the light-emitting layer that emits the blue light.
9. An electroluminescence apparatus, comprising:
a plurality of light-emitting layers that emit light with different colors;

an electron injection layer containing an organic metal compound, the electron injection layer being in contact with at least one of the plurality of the light-emitting layers;
and

a layer capable of reducing a metal in the organic metal compound, the layer being disposed such that it is in contact with the electron injection layer.

10. An electroluminescence apparatus according to claim 9, one of the light-emitting layers being sandwiched between an anode and a cathode, and the layer being capable of reducing the metal in the organic metal compound is a cathode.

11. The electroluminescence apparatus according to claim 9, the layer capable of reducing the metal of the organic metal compound containing at least a metal selected from the group consisting of Mg, Ca, and Al.

12. The electroluminescence apparatus according to claim 9, each of the plurality of the light-emitting layers having compartments, and the electron injection layer being formed within the compartments.

13. The electroluminescence apparatus according to claim 9, the organic metal compound containing at least one metal element selected from group 1A of the periodic table, group 2A of the periodic table, and a rare earth element.

14. The electroluminescence apparatus according to claim 13, the metal element being selected from Li, Na, K, Rb, Cs, Mg, Ca, Sr, Ba, La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu.

15. The electroluminescence apparatus according to claim 9, the plurality of light-emitting layers further comprising a light-emitting layer that emits red light, a light-emitting layer that emits green light, and a light-emitting layer that emits blue light, and the electron injection layer containing the organic metal compound being disposed such that the electron injection layer is contacted with the light-emitting layer that emits the blue light.

16. An electronic device, comprising the electroluminescence apparatus according to claim 9.